

Procurement Language
Multifunction Devices

The Vendor Must:

- **Provide multifunction device models that meet the ENERGY STAR guidelines for energy efficiency.** ENERGY STAR-compliant multifunction device models shall conserve energy by powering down when not in use. For ENERGY STAR guidelines, see the tables below.
- **Ship high-speed standard-sized multifunction devices with a duplexing capability that is set at the default mode.** While the automatic duplex mode is optional on ENERGY STAR compliant multifunction devices, EPA recommends that users try this feature on their new multifunction devices. By making more double-sided copies, consumers can decrease paper consumption, save money, and help prevent air pollution.
- **Ship multifunction devices with the power management feature enabled.** The vendor shall ship multifunction device models with the default time for the low-power mode set at 15 minutes and the sleep mode set to the levels specified in the tables below.
- **Provide general information regarding the ENERGY STAR features of the multifunction device model.** This information might include a description of the ENERGY STAR Program, a discussion of the savings associated with using the power-management features, the benefits of duplex copying or printing, and the method for changing the settings or default times.
- **Provide information on the type of recycled paper recommended for the multifunction device model.** Organizations can help to reduce the flow of solid waste into landfills by using recycled paper in their multifunction devices. The federal government is purchasing paper with a minimum of 30 percent post-consumer content.

For state and local governments making blanket purchases, include the provision that the vendors will:

- **Deliver new and repaired machines configured properly for automatic energy-saving features as per the current ENERGY STAR specifications.**
- **Provide customer support with respect to power management features such that these features remain properly enabled.**

Lease and maintenance agreements for office equipment shall include the following provisions concerning power management features:

- **Installation and service performed as part of the agreement shall include the proper configuration of power management features according to the terms of the ENERGY STAR Program MOU current for that class of equipment, at the time of the service.** Personnel involved in system integration and service shall treat the malfunction of power management features as functional failures of the equipment,

and shall diagnose and repair these problems rather than disabling the power management features.

- **If vendor representatives perform site customization and user training, these services shall be carried out so as to maximize the energy efficiency of the installed product.** Vendor staff shall state the facts that power management features promote long equipment life, save energy and reduce the introduction of heat and fumes into the workplace.

Criteria for ENERGY STAR-Compliant

Standard-Sized Multifunction Devices --Tier 2 (April 1, 1999)

Multifunction Device Speed (images per minute)	Low-power Mode (Watts)	Recovery Time 30 seconds	Sleep Mode (Watts)	Sleep Mode Default Time	Automatic Duplex Mode
$0 < \text{ipm} \leq 10$	NA	NA	≤ 25	$\leq 15 \text{ min}$	No
$10 < \text{ipm} \leq 20$	NA	NA	≤ 70	$\leq 30 \text{ min}$	No
$20 < \text{ipm} \leq 44$	$3.85 \times \text{ipm} + 50$	Yes	≤ 80	$\leq 60 \text{ min}$	Optional
$44 < \text{ipm} \leq 100$	$3.85 \times \text{ipm} + 50$	Recommended	≤ 95	$\leq 90 \text{ min}$	Optional
$100 < \text{ipm}$	$3.85 \times \text{ipm} + 50$	Recommended	≤ 105	$\leq 120 \text{ min}$	Optional

Criteria for ENERGY STAR-Compliant

Large Format Multifunction Devices -- Tier 2 (April 1, 1999)

Multifunction Device Speed (images per minute)	Low-power Mode (Watts)	Recovery Time 30 seconds	Sleep Mode (Watts)	Sleep Mode Default Time	Automatic Duplex Mode
$0 < \text{ipm} \leq 40$	NA	NA	≤ 70	$\leq 30 \text{ min}$	No
$40 < \text{ipm}$	$4.85 \times \text{ipm} + 50$	Recommended	≤ 105	$\leq 90 \text{ min}$	No

Criteria for ENERGY STAR-Compliant

Upgradeable Digital Copiers --Tier 2 (April 1, 1999)

Upgradeable Digital Copier Speed (images per minute)	Low-power Mode (Watts)	Recovery Time 30 Seconds	Sleep Mode ¹ (Watts)	Sleep Mode Default Time
$0 < \text{ipm} \leq 10$	NA	NA	≤ 5	$\leq 15 \text{ minutes}$
$10 < \text{ipm} \leq 20$	NA	NA	≤ 5	$\leq 30 \text{ minutes}$
$20 < \text{ipm} \leq 44$	$3.85 \times \text{ipm} + 5$	Yes	≤ 15	$\leq 60 \text{ minutes}$
$44 < \text{ipm} \leq 100$	$3.85 \times \text{ipm} + 5$	Recommended	≤ 20	$\leq 90 \text{ minutes}$
$100 < \text{ipm}$	$3.85 \times \text{ipm} + 5$	Recommended	≤ 20	$\leq 120 \text{ minutes}$

¹ For upgradeable digital copiers that consist of functionally integrated units such as print, scan, and computer components, sleep mode Watts for the total system may be increased by an amount equal to the sleep mode Watts allowed for an ENERGY STAR-compliant computer.

**Criteria for ENERGY STAR-Compliant Large
Format Upgradeable Digital Copiers -- Tier 2 (April 1, 1999)**

Upgradeable Digital Copier Speed (images per minute)	Low-power Mode (Watts)	Recovery Time 30 Seconds	Sleep Mode¹ (Watts)	Sleep Mode Default Time
0 < ipm ≤ 40	NA	NA	≤ 65	≤ 30 minutes
40 < ipm	4.85 x ipm + 45	NA	≤ 100	≤ 90 minutes

¹ For upgradeable digital copiers that consist of functionally integrated units such as print, scan, and computer components, sleep mode Watts for the total system may be increased by an amount equal to the sleep mode Watts allowed for an ENERGY STAR-compliant computer.